Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. **1st & Part bill** Date.....20.....

Division: Byatarayanapura Sub Division: Byatarayanapura

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.....

Name of Work: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05

Job Code No: 005-20-000094 **Est. cost: 800.00 lakhs**

Name of Contractor and Full Address : M/s SMLP Asphalts, Prop : B B Umesha, Bangalore.

Work Order No: **BBMP/EE/BTP/W.O/ 120 /2020-21,** **Dated : 29-09-2020**

Certified that the measurements were taken by me on 2/12/2020 and recorded in pages 535601-535610 of measurement Book No. 5357/19-20 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurements were taken by me on 2/12/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

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If Memorandum of Payment			
1)	Total value of work done or supplies made as per account within		
2)	Deduct amount to be held in reserve being.....percent Rs.....		
3)	Deduct amount to be held in Balance		
4)	Deduct Payment :		
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....		
	Amount adjusted towards cash advance recovery of		
	b) Payments cost store or other materials supplied.		
	Now made recovery of amount creditable to this/other work		
	Amount paid on this bill Cheque/Cash		
5)	Balance being unpaid value of work done held in reserve		
6)	Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments		
7)	Net amount due to or from contractor		
Unadjusted items			
8)	Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied		

Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.

(For use in the Office)

Witnesses :

1.

2.

Dated.....Signature of Contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer Making Payment **Executive Engineer**

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BRUHATH BENGALORE MAHANAGARA PALIKE

Executive Engineer Bytarayanapura Division

ABSTRACT OF BILL -

Name of Work: Improvements to roads and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara Layout, Sri krishna Garden, Shivashankara Layout, Varaha Layout, Bindhu Layout, and Surrounding areas in Ward No- 05

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	Unit	Schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
1	Removing and Refixing stone slabs of drains and pointing in C.M (1:3) with all lead and lift and as per the direction of Engineer in-charge.	sqm	1912.86	116.00	221891.76	0.00	0.00	1646.40	190982.40	1646.40	190982.40
2	KSRRB300 - Excavation for road, drains and similar works ,KSRRB300-1 : Earthwork excavation by manual means in ordinary soil involving as average horizontal throw upto 2 mters and an average lifts upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications with all lead and lift and as per the direction of Engineer in-charge.	cum	1058.28	217.00	229646.76	0.00	0.00	1058.05	229597.07	1058.05	229597.07
3	providng granite slabs of selecting quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete with all lead and lifts and as per the direction of Engineer in-charge	sqm	2392.80	779.00	1863991.20	0.00	0.00	2008.80	1564855.20	2008.80	1564855.20
4	KSRB M2100-10 : Providing and laying plain cement concrete of Mix 1.3.6 with OPC @ 220kgs,with crushed 40mm and down size graded granite mental coarse aggregate @ 0.89 cum and fine aggregate @ 0.46 cum, in foundation mechanically mixed , placed in foundation and compacted by vibration including curing for 14 days including cost of all material , labour, HOM curing, form work ,scaffolding and centering complete as per specifications.(P.No- 222, I.No-27.18)	cum	27.05	5692.00	153968.60	0.00	0.00	8.42	47949.41	8.42	47949.41
5	KSRB 5.2-3 Providing and constructing granite / trap / baslt size stone masonary in foundation with cement mortar, stone hammered dressed in course not less then 20 cms high, bond stones at 2m, apart in each course including cost materials, labour, curing complete as per specifications. KBS 5.1.13,cement mortar 1.6 KBS 5.1.13 (P.No-25, I.No-5.6)	cum	72.14	5114.00	368923.96	0.00	0.00	22.46	114880.90	22.46	114880.90

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Item No	Description of Item	Unit	Schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
6	KSRB 4-1 6 Providing and laying in position plain cement concrete of Mix 1 2 4 with OPC at 240kgs, with 20mm and down size granite metal coarse aggregates at 0 878 cum and fine aggregates at 0 53cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundations, plinth and cills, including cost of all materials, labour,HOM curing complete as per specifications specifications No KBS 4 1,4 2 (P.No-13, I No4 6)	cum	467.88	6034.00	2823187.92	0.00	0.00	458.36	2765732.17	458.36	2765732.17
7	KSRB 5-14 providing and constructing load bearing wall with solid concrete blocks of size 400*150*200mm having block density not lessthen 1800kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185(part) 2005 and constructed with 1:4 , as per IS 2572 2005 including cost of all materials, labours charges , scaffolding , curing complete as per specifications KBS No 5 4 I No 5 26 2, page no27	sqm	3536.00	1028.00	3635008.00	0.00	0.00	3535.52	3634514.56	3535.52	3634514.56
8	Providing and Fixing RCC pre cast covering Slab of 100mm thick for drains in cement concrete M25 using graded granite jelly 20mm and down size with steel reinforcement , including form work, lift charges, curing and concrete finishined surfaces on both sides etc., complete as per drawing and the directions of Engineer in-charge (Date rate)	sqm	4496.40	2453.00	11029669.20	0.00	0.00	3520.88	8636706.38	3520.88	8636706.38
9	Providing and Fixing pre cast covering Slab 250mm thick made out of M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete As per Engineer incharge (Data Rate)	sqm	150.30	5688.00	854906.40	0.00	0.00	46.80	266198.40	46.80	266198.40
10	KSRRB M300-14 Excavation for roadwork in soil with hydralic excavation of 0 9cum bucket capacity including cutting and loading tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross section , and transportating to the embankment location to a lead of 1 km and complete as per specifications with all lead and lift and as per the direction of engineer in -charge	cum	8341.50	60.00	500490.00	0.00	0.00	6382.27	382936.32	6382.27	382936.32
11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC , Carriage of mixed materials to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications with all lead and lift and as per direction of Engineer In-charge	cum	4699.68	2095.00	9845829.60	0.00	0.00	3435.03	7196381.57	3435.03	7196381.57

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Item No	Description of Item	Unit	Schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
12	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. with all lead and lift and as per direction of Engineer In-charge	cum	6739.69	2101.00	14160088.69	0.00	0.00	4859.82	10210472.37	4859.82	1021047237
13	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications with all lead and lift and as per the direction of Engineer in-charge	sqm	34064.20	30.00	1021926.00	0.00	0.00	8882.19	266465.70	8882.19	266465.70
14	KSRRB 500-2 : Cleaning the existing black topped surfce with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of all materials, labour, HOM curing, complete as per specificatioons.(P.No158.1, I.No-21.12,KPWD SR2018-19)	sqm	7894.90	6.00	47369.40	0.00	0.00	0.00	0.00	0.00	0.00
15	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. with all lead and lift and as per the direction of Engineer in-charge.	sqm	41959.10	13.00	545468.30	0.00	0.00	8882.19	115468.47	8882.19	115468.47
16	KSRRB M500-17. Providing and laying Dense Graded Bituminous Macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 70mm) with 4.5% VG-30 bitumen with all lead and lift and as per the direction of Engineer in-charge.	sqm	1703.21	6926.00	11796432.46	0.00	0.00	444.11	3075902.40	444.11	3075902.40

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Item No	Description of Item	Unit	Schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
17	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP- 53-2015.do- using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% ofVG-30 bitumen (60/70 grade} and 0.43% of plastomeric thermoplastics (waste plastic) with all lead and lift and as per the direction of Engineer in-charge.	cum	1678.36	8140.00	13661850.40	0.00	0.00	355.29	2892041.06	355.29	2892041.06
18	KSRRB M800-13. Road Marking with Hot Applied 'Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications with all lead and lift and as per the direction of Engineer in-charge	sqm	1481.40	475.00	703665.00	0.00	0.00	0.00	0.00	0.00	0.00
	KSRRB M800-35.Supply and installtion of mould shank raised pavement marker made of polycarbonate ans ABS(Acerylonitrile Butadiene sytrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of thr light entering the lens face and shall support a load of 16000kg tested in accordance to specifications of category A of Morth circular no RW/NH/33023/10-97-DO IIIDt 11.06.1997. The height ,width and length shall not exceed 50mm ,10mm, and a02mm and with minimum reflective area of 13sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylinder shank, (of diameter not less then 19mm and height not less then 30mm) from the body is to be a minimum value of 500kg . Fixing will beby drilling holes on the road for the shanks togo inside, without nails and using epoxy resin based adhesive as per manufactures recommandation and complete as direct by the engineer with lead and lift and as per direction of engineer in-charge.	Nos	1128.00	375.00	423000.00	0.00	0.00	0.00	0.00	0.00	0.00

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Item No	Description of Item	Unit	Schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
19	supply and fixing of Reteo Reflective Single Arrow Road Name Signboard of size 1600mm*900mm made out of retro reflective sheetting conforming to type XI standards of ASTM D 4956-09 & as per IRC 67-2012 for full back ground of bule colour and white letters and fixed over thick Aluminum Composite Materials sheet having minimum 0.5mm thick Aluminum skin on both sides with back side painted grey colour and fixed over bacj support frames SS angle of 15mm*20mm*1.2mm, supported by 38mm OD stainless steel pipe all round in 304 grade and 2 no of vertical posts of 50mm OD stainless pipe of 202 grade firmly fixed to the ground by means of properly designedfoundation of size 450mm*450mm*600mm in 1:1.5:3 ratio cement concrete complete as per direction of engineer incharge of work clause 6.9 of IRC 67-2012 for type XIretro reflective sheeting from the sheeting manufacture and a certified copy of test reports from an independent test laboratory conforming to clause 6.7 of IRC 67-2012 including outdoor weather exposure report for the retro reflective sheeting offered shall be submitted bythe contractor for technical qualification in the tender with all lead and lift and as per direction of engineer in-charge.	sqm	10.08	14799.00	149173.92	0.00	0.00	0.00	0.00	0.00	0.00
	Net Amount				**74036487.57**						**4159108436**
	12% GST				**8884378.51**						**4990930.12**
	Grand total Amount				**82920866.08**						**4658201448**
	Certificate:										
1	Certified that the contractor has done the work satisfactorly										
2	Certified that the debris has been removed from the site										
3	Certified that the No dues from the contractor										
4	Certified that the above item of the work were not claimed in any other bill										

Contractor Representative

NEWZEN CONSULTANT Engineers

Consultant Representative

2/12/2020

Asst Engineer

2/12/2020

Asst Executive Engineer

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